	L #	Hits	Search Text
1	L2	1	(name id indentifier) with (subset subgroup set group list table) adj3 address and (domane adj name dns) and select$4 adj5 (router path) with (criteria condition status qos)
2	L1	67	(name id indentifier) with (subset subgroup set group list table) adj3 address and (domane adj name dns) and select$4 adj5 (router path)
3	L3	58	(name id indentifier) with (subset subgroup set group list table) adj3 address and (domaine adj name dns) and select$4 adj3 (router path routing)
4	L4	12	(name id indentifier) with (subset subgroup set group list table) adj3 address and (domaine adj name dns) and select$4 adj3 (address$3 router path routing).ab.
5	L5	592	(domaine adj name dns) and select$4 adj3 (address$3 router path routing) with (predetermin$3 predefin$3 preset preconfigur$5 meet based accord$3 correspon$4 relat$4 relationship)
6	L6	31987	"709"/$$$
7	L7	84	5 and 6
8	L8	31	(domaine adj name dns) and select$4 adj3 (address$3 router path routing) with (predetermin$3 predefin$3 preset preconfigur$5 meet based accord$3 correspon$4 relat$4 relationship).ab.
9	L9	78	crosson.inv.
10	L10	6071	(hp hewllett adj packard).as.
11	L11	0	9 and 10
12	L12	0	6 and (9 10)
13	L13	4	(domaine adj name dns) and (9 10)

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(54) **TEMPLATE-DRIVEN APPROACH FOR GENERATING MODELS ON NETWORK SERVICES**

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(58) **Field of Search** 709/224, 223, 709/225, 226, 245, 218; 345/440, 449; 370/229, 254

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(57) **ABSTRACT**

A method and system of modeling a selected service within a network environment includes forming a service model template that is not specific to the network environment, but identifies anticipated network elements and network services that cooperate to enable the selected service. The service model template includes specifications related to linking the anticipated network elements and network services. When the service model template is combined with discovered instance information that is specific to actual network elements and actual network services, a service model instance is generated for the selected service. The service model instance includes identifications of dependencies among the elements and services. Preferably, the service model instance also includes identification of the "health" of the different elements and services. A view generator may be used to configure the service model instance as a hierarchical graph of nodes that are linked to identify the dependencies among the nodes. The discovered instance information may be acquired using a discovery template that orchestrates the process. The discovery template may identify auto-discovery modules that are to be used to detect actual network elements and services and may identify dependencies among the modules. A user-configurable discovery engine accesses the discovery template and deploys the modules in order to acquire the discovered instance information.

15 Claims, 12 Drawing Sheets